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CLAIMS

[Claim(s)]

[Claim 1]

In a water-based ink for ink jet printers characterized by comprising the following, Infrared absorption intensity of an ionic group which an acidic group by which content of the above-mentioned alkali is contained in the above-mentioned block copolymer dissociates and produces, When infrared absorption intensity of this ionic group produced when superfluous alkali is added to this block copolymer is made into 100%, an ink jet printer being the quantity which becomes twice [less than] the minimum amount of alkali from which the infrared absorption intensity will be not less than 80%, and infrared absorption intensity of an ionic group of this block copolymer will be 100% — service water — sex ink.

It is colorant of insoluble in water nature at least.

A block copolymer of polyvinyl ether structure which contains at least one sort of hydrophilic segments and hydrophobic segments containing an acidic group, respectively.

Water and alkali.

[Claim 2]

The water-based ink for ink jet printers according to claim 1 whose acidic group contained in said block copolymer is a carboxylic acid group.

[Claim 3]

The water-based ink for ink jet printers according to claim 1 or 2 in which said colorant is paints.

[Claim 4]

The water-based ink for ink jet printers according to claim 1 or 2 in which said colorant is an insoluble in water nature color.

[Translation done.]